ISSN 1809-127X (online edition)
© 2011 *Check List* and Authors
Open Access | Freely available at *www.checklist.org.br*
Check List
Journal of species lists and distribution

Notes on Geographic Distribution

Urostrophus vautieri Duméril and Bibron, 1837 (Reptilia: Squamata: Sauria: Leiosauridae): Distribution extension, Paraná, Brazil

Gilberto Alves de Souza Filho

Hori Consultoria Ambiental. Rua Coronel Temístocles de Souza Brasil, 311. CEP 82520-210. Curitiba, PR, Brazil.
E-mail: *gilbertoasfilho@yahoo.com.br*

Abstract: *Urostrophus vautieri* (Leiosauridae) is a Brazilian endemic lizard occurring in southeastern and southern Brazil. At the southern portion of its range, in state of Paraná, this species was recorded in the municipalities of Campo do Tenente, Curitiba and Ribeirão Claro. Here I report the collection of four specimens of *U. vautieri* in the municipality of Telêmaco Borba, Paraná, a locality ca. 140 km southwest from the nearest previously known site in the state.

The genus *Urostrophus* (Leiosauridae) comprises only two species of neotropical lizards namely *Urostrophus gallardoi* Etheridge and Williams, 1991, distributed in the northwest of Argentina and southern Bolivia (Etheridge and Williams 1991; Tedesco *et al.* 1992; Torres 1996; Bérnils *et al*. 2007); and *Urostrophus vautieri*, a Brazilian endemic occurring in all states in the southeastern and southern regions (Von Ihering 1898; Ruschi 1966; Etheridge and Williams 1991; Sazima and Haddad 1992; Lema 1994; 2002; Pellegrino *et al.* 1999; Bérnils *et al.* 2001; Di-Bernardo *et al.* 2003; Rocha *et al.* 2004; Ribeiro and Sousa 2006; Bérnils *et al.* 2007; Santos *et al.* 2009; Gasparini *et al.* 2010). The distribution of *U. vautieri* is within the Atlantic rainforest and Pampa biomes (Etheridge and Williams 1991), but it has been recently found in Cerrado, in the state of Minas Gerais (Santos *et al.* 2009).

In the Atlantic forest of Paraná (*sensu* IBGE 1992) *Urostrophus vautieri* occurs in Araucaria forest, semideciduous forest and steppe, and has been found in the municipalities of Campo do Tenente (25°59' S, 49°41' W), Curitiba (25°25' S, 49°16' W) and "Rio Itararé" (probably Ribeirão Claro; 23°10' S, 49°42' W) (Etheridge and Williams 1991).

In August 2008 during a faunal rescue operation in the municipality of Telêmaco Borba, Paraná, (24°03'33'' S, 50°42'27'' W; 606 m elevation), four individuals of *Urostrophus vautieri* were collected in riparian formations near the Tibagi River (collection permit IBAMA number 52-08 CGFAP). These specimens are deposited in the

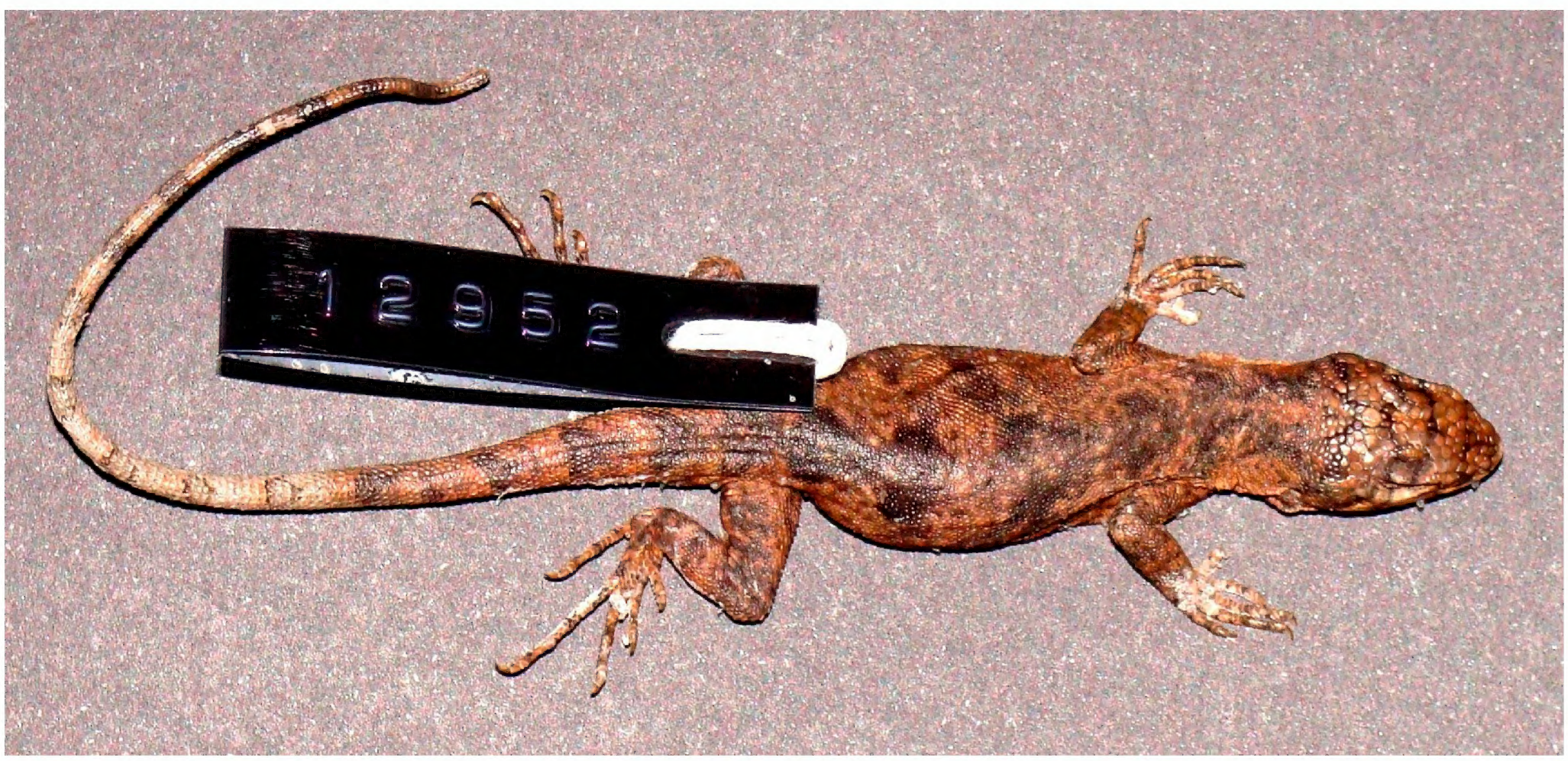

Figure 1. *Urostrophus vautieri* (MHNCI 12952) female, SVL = 55 mm, collected in the municipality of Telêmaco Borba, state of Paraná, Brazil.

herpetological collection of the Museu de História Natural Capão da Imbuia, municipality of Curitiba, Paraná (MHNCI 12951, 12952, 12954, 12971; Figure 1). The region is located in the Atlantic forest domains comprising an ecotone between two phytophysiognomies, Araucaria forest and semideciduous forest (Roderjan *et al.* 2002).

This new locality extends the known geographic distribution of *Urostrophus vautieri ca*. 140 km southwest and 210 km northwest from the nearest previously reported sites in the state of Paraná (Figure 2).

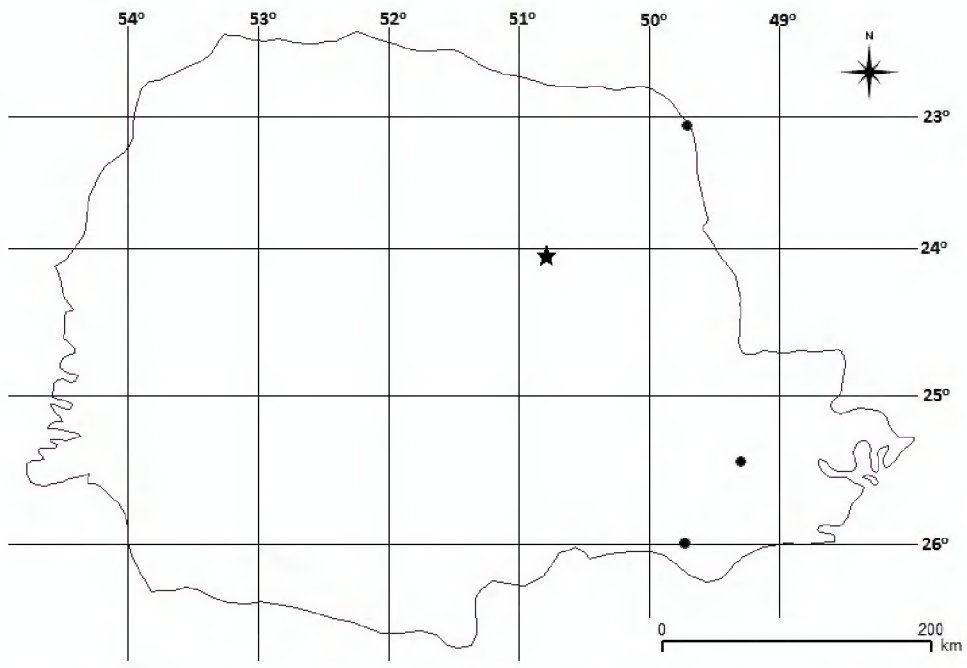

Figure 2. Distribution map for *Urostrophus vautieri* in the state of Paraná, Brazil. Circles represent previous distribution records, and the star indicates the new occurrence in the municipality of Telêmaco Borba.

Acknowledgments: I am grateful to Marcelo A. Villegas Vallejos for the comments, suggestions and aid in the preparation of the distribution map; to Instituto de Tecnologia para o Desenvolvimento (LACTEC) and Companhia Paranaense de Energia (COPEL) for logistic support at Telêmaco Borba.

Literature Cited

Bérnils, R.S., M.A. Batista and P.W. Bertelli. 2001. Cobras e lagartos do Vale: levantamento das espécies de Squamata (Reptilia, Lepidosauria) da Bacia do Rio Itajaí, Santa Catarina, Brasil. *Revista de estudos ambientais* 3(1): 69-79.

Bérnils, R.S., A.R. Giraudo, S. Carreira and S.Z. Cechin. 2007. Répteis das porções subtropical e temperada da Região Neotropical. *Ciência and Ambiente* 35: 101-136.

Di-Bernardo, M., M. Borges-Martins, R.B. Oliveira. 2003. Répteis; p. 165-188 *In* C.S. Fontana, G.A. Bencke and R.E. Reis (ed.). *Livro vermelho da fauna ameaçada de extinção no Rio Grande do Sul*. Porto Alegre: EDIPUCRS.

Etheridge, R. and E.E. Williams. 1991. A review of the South American lizard genera *Urostrophus* and *Anisolepis* (Squamata: Iguania: Polychridae). *Bulletin of the Museum of Comparative Zoology* 152: 317-361.

Gasparini, J.L., D.A. Koski and P.L.V. Peloso. 2010. Reptilia, Squamata, Leiosauridae, *Urostrophus vautieri* Duméril and Bibron, 1837: Distribution extension, new state record, and geographic distribution map. *Check List* 6(3): 432-433.

IBGE (Instituto Brasileiro de Geografia e Estatística). 1992. Manual técnico da vegetação brasileira. *Séries Manuais técnicos em geociências* (1): 92 p.

Lema, T. 1994. Lista comentada dos répteis ocorrentes no Rio Grande do Sul, Brasil. *Comunicações do Museu de Ciências da PUCRS, Série Zoologia* 7: 41-150.

Lema, T. 2002. *Os répteis do Rio Grande do Sul. Atuais e fósseis – Biogeografia – Ofidismo*. Porto Alegre: EDIPUCRS. 264 p.

Pellegrino, K.C., C.E.V. Bertolotto, M.T. Rodrigues and Y. Yonenaga-Yassuda. 1999. Banding patterns, heteromorphic sex chromosomes and Ag-stained NORs after pachytene stages in the meiosis of theBrazilian lizard *Urostrophus vautieri* (Squamata, Polychrotidae). *Caryologia* 52(1-2): 21-26.

Ribeiro, L.B. and B.M. Sousa. 2006. *Urostrophus vautieri* (NCN). Skin shedding. *Herpetological Review* 37(3): 348.

Rocha, C.F.D., H.G. Bergallo, J.P. Pombal-Jr, L. Geise, M. Van Sluys, R. Fernades and U. Caramaschi. 2004. Lista de anfíbios, répteis e mamíferos do Estado do Rio de Janeiro, Sudeste do Brasil. *Publicações Avulsas do Museu Nacional* 104: 1-24.

Roderjan, C.V., F. Galvão, Y.S. Kuniyoshi and G.G. Hatschbach. 2002. As Unidades Fitogeográficas do Estado do Paraná, Brasil. *Ciência and Ambiente* 24: 75-92.

Ruschi, A. 1966. Lista dos répteis do estado do Espírito Santo. *Boletim do Museu de Biologia Prof. Mello- Leitão, Zoologia* 26A: 1-6.

Santos, R.C., P.S. Lucas, B.M. Sousa and I.A. Novelli. 2009. Reptilia, Squamata, Leiosauridae, *Urostrophus vautieri*: Distribution extension and geographic distribution map. *Check List* 5(3): 533-536.

Sazima, I. and C.F.B. Haddad.1992. Répteis da Serra do Japi: notas sobre História Natural; p. 212-236 *In* L.P.C. Morellato (ed.). *História Natural da Serra do Japi: ecologia e preservação de uma área florestal do sudeste do Brasil*. Campinas: Editora da UNICAMP/FAPESP.

Tedesco, M.E., A. Hernando, and B.B. Álvarez. 1992. *Urostrophus gallardoi* (Iguania, Polychridae). Nuevas localidades para Argentina. *Facena* 9: 111-115.

Torres, S.E. 1996. *Urostrophus gallardoi*: Geographic Distribution. *Herpetological Review* 27: 212.

Von Ihering, H. 1898. Contributions to the herpetology of Sao Paulo, Brazil: I. *Proceedings of the Academy of Natural Sciences of Philadelphia* 50: 101-109.

Received: October 2011
Last Revised: November 2011
Accepted: November 2011
Published online: December 2011
Editorial responsibility: Ross MacCulloch